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the method works because of the differences in the ways various components of a dissolved mixture interact with a fixed solid the fixed solid can be made of different materials and in different shapes depending on the version of chromatography that is being done one version is called paper chromatography paper chromatography sample of mixture is put on chromatography paper which acts as stationary phase edge of paper placed in solvent which acts as mobile phase wicking occurs because solvent is attracted to water molecules that are bound to cellulose fibers of paper in paper chromatography the sample is to write a lab report abstract use these guiding questions what is the wider context of your study what research question were you trying to answer how did you perform the experiment what did your results show how did you interpret your results what is the importance of your findings example abstract lab 6 paper chromatography lab 6 paper chromatography pages 145 154 pre lab page 151 no post lab chromatogram must be turned in attached to lab report chromatography chromatography is an analytical technique used to separate the components of a mixture all forms of chromatography work on the same principle lab 1 paper chromatography to separate a mixture using paper chromatography there are 3 primary colors red blue yellow most colors are produced by mixing two or more primary colors together ex green color is produced by mixing blue yellow in paper chromatography small samples of analytes are spotted onto chromatography paper sample 4b score 3 this response earned 3 of 4 possible points in part a the student correctly identifies the least polar dye with a reference to the chromatogram for 1 point the student correctly describes the dye solvent interactions for 1 point in part b the student correctly identifies the unknown as dye a for 1 point when writing an abstract try to answer these questions why was the research done or experiment conducted what problem is being addressed what results were found what are the meaning of the results how is the problem better understood now than before if at all introduction i identification of inks by paper chromatography a this lab will be done as a collaboration between both lab pairs at a bench 1 one lab pair will use 2 parts isopropanol to 1 part water as a solvent labeled 2 1 ipa 2 one lab pair will use 1 part isopropanol to 2 parts water as a solvent labeled 1 2 ipa paper chromatography questions and answers practice questions mcqs pyqs ncert questions question bank class 11 and class 12 questions ncert exemplar questions and pdf questions with answers solutions explanations ncert reference and difficulty level in paper chromatography chemistry solvent also make sure that the chromatography paper doesn't touch the bottom of the cup tape the other end of chromatography paper to a pencil and place it on the cup 5 wait for about 15 minute then take out the chromatography paper 6 using the same set up repeat the experiment with different types of black ink pen marker study with quizlet and memorize flashcards containing terms like physical process paper chromatography how does paper chromatography work and more chromatography lab activity worksheet 1 procedure 1 take the strips of chromatography paper and fold both pieces about an inch from the top 2 using the black sharpie draw a horizontal line near the other end of the chromatography paper make the line about as high off the bottom as the length of your thumb 3 what we have prepared are responses to sample questions generated from the question bank you should always try to do the problems first yourself first should you get stuck however you can refer to our samples here to guide you back on the right track mcqs for lab technician and technologists are designed to test the knowledge and proficiency of laboratory professionals who work in the field of clinical laboratory science these questions cover a wide range of topics related to laboratory science including anatomy physiology microbiology chemistry and hematology two segments teacher directions followed by student results and discussion key terms reviewed functional recombinant dna restriction enzyme transgenic topical past papers gathered by ai perfect for cambridge examinations all questions in past papers stored topic wise boost your grades now to determine the ph of common solutions to understand ph differences of acids and bases to learn to use a laboratory ph meter to understand relationship between ph and h ion concentration a ph value is a number usually between 0 and 14 that represents the acidity or basicity of a solution tys solutions a level h2 math 9758 2023 new paper 1 paper 2 video solution 2022 paper 1 paper 2 video solution 2021 paper 1 paper 2 video solution 2020 paper 1 video paper 2 video 2019 paper 1 video paper 2 video 2018 paper 1 video paper 2 video 2017 paper 1 video paper 2 video

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the method works because of the differences in the ways various components of a dissolved mixture interact with a fixed solid the fixed solid can be made of different materials and in different shapes depending on the version of chromatography that is being done one version is called paper chromatography

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paper chromatography sample of mixture is put on chromatography paper which acts as stationary phase edge of paper placed in solvent which acts as mobile phase wicking occurs because solvent is attracted to water molecules that are bound to cellulose fibers of paper in paper chromatography the sample is

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lab 6 paper chromatography lab 6 paper chromatography pages 145 154 pre lab page 151 no post lab chromatogram must be turned in attached to lab report chromatography chromatography is an analytical technique used to separate the components of a mixture all forms of chromatography work on the same principle

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lab 1 paper chromatography to separate a mixture using paper chromatography there are 3 primary colors red blue yellow most colors are produced by mixing two or more primary colors together ex green color is produced by mixing blue yellow in paper chromatography small samples of analytes are spotted onto chromatography paper

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sample 4b score 3 this response earned 3 of 4 possible points in part a the student correctly identifies the least polar dye with a reference to the chromatogram for 1 point the student correctly describes the dye solvent interactions for 1 point in part b the student correctly identifies the unknown as dye a for 1 point

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when writing an abstract try to answer these questions why was the research done or experiment conducted what problem is being addressed what results were found what are the meaning of the results how is the problem better understood now than before if at all introduction

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i identification of inks by paper chromatography a this lab will be done as a collaboration between both lab pairs at a bench 1 one lab pair will use 2 parts isopropanol to 1 part water as a solvent labeled 2 1 ipa 2 one lab pair will use 1 part isopropanol to 2 parts water as a solvent labeled 1 2 ipa

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solvent also make sure that the chromatography paper doesn't touch the bottom of the cup tape the other end of chromatography paper to a pencil and place it on the cup 5 wait for about 15 minute then take out the chromatography paper 6 using the same set up repeat the experiment with different types of black ink pen marker

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chromatography lab activity worksheet 1 procedure 1 take the strips of chromatography paper and fold both pieces about an inch from the top 2 using the black sharpie draw a horizontal line near the other end of the chromatography paper make the line about as high off the bottom as the length of your thumb 3

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what we have prepared are responses to sample questions generated from the question bank you should always try to do the problems first yourself first should you get stuck however you can refer to our samples here to guide you back on the right track

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to determine the ph of common solutions to understand ph differences of acids and bases to learn to use a laboratory ph meter to understand relationship between ph and h ion concentration a ph value is a number usually between 0 and 14 that represents the acidity or basicity of a solution

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